

## Material Safety Data Sheet

It is prepared pursuant to 1907/2006/EC and Regulation on Information Forms on Harmful Substances and Mixtures (R.G. 13.12.2014-29204) .

Issue Date:19.06.2020  
SDS Code:RM-CX-005

Control Date:-

### 1 Identification of Material / Mixture and Company / Distributor

#### 1.1. Identification of Material / Mixture

Trade Name: CERMIREP PASSIVE T

#### 1.2. Specified or recommended usage of substance/admixture

One component cementitious, polymer modified primer for reinforcement protection and also a bonding bridge for Cermirep concrete repair mortars.

#### 1.3. Details of the supplier of the MSDS

Company name: Koramic Yapı Kimyasalları  
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK  
Tel: +90 228 314 63 00  
Fax: +90 228 314 63 05  
SDS contact person:yasemin.karel@koramic.com.tr

1.4. Emergency Telephone: +90 228 314 63 00(On weekdays, during working hours)

NATIONAL POISON INFORMATION CENTER: 114

### 2. Hazard Identification

#### 2.1. Classification of the substance or mixture

Skin irritation , Category 2  
Serious eye damage , Category 1  
Specific target organ toxicity - single exposure , Category 3  
, Respiratory system  
Classification (67/548/EEC, 1999/45/EC)  
Irritant  
R41: Risk of serious damage to eyes.  
R37/38: Irritating to respiratory system and skin.

H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.

#### 2.2. Label Elements



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**GHS 05**

**GHS 07**

**Signal Word: Danger**

### Prevention

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

Precautionary statements :  
Prevention : P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P280 Wear protective gloves/ eye protection/ face protection.

Response : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.

Storage : P403 + P233 Store in a well-ventilated place. Keep container  
tightly closed.

Disposal : P501 Dispose of contents/ container to an approved waste  
disposal plant.

Hazardous components which must be listed on the label: • 266-043-4 Cement, portland, chemicals

### 2.3. Other Hazards

Portland cement clinker may cause an allergic reaction in some people due to include water soluble Cr (VI) in the dust.

## 3 Information on Composition / Contents

### 3.1. Materials

Not relevant information.

### 3.2. Mixtures

Material	CAS Number	Concentration (%)	H statements
Portland Cement	65997-15-1	>20%	H 315 Causes skin irritation. H 317 May cause an allergic skin reaction. H 318 Causes serious eye damage. H 335 May cause respiratory irritation.
Calcium carbonate	471-34-1	10-30	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.

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Material	CAS Number	Concentration (%)	H statements
Quartz (SiO <sub>2</sub> )	14808-60-7	20-40	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Sodium nitrite	7632-00-0	>= 0,25 - < 1	H272 May intensify fire; oxidiser. H301 Toxic if swallowed.

### 4 First Aid Measures

#### 4.1. Identification of First Aid Measures:

**General information:** Remove your contaminated clothes and wash them before reusing.

**After breathing:** Take out the victim to fresh air and hold it in a comfortable position for easy breathing. If coughing and other symptoms increase, consult medical attention. Long-lasting respirable crystallized silica may induce the formation of silicosis disease when exposed to exposure values exceeding the limits allowed.

**After skin contact:** Wash with cold water and soap with neutral pH or a mild detergent. Request medical treatment when exposed to wet cement, cement mixes, fresh cement products, liquid or dry cement for a long time. If skin irritation is concerned: Medical assistance / intervention is required.

**After eye contact:** Continue to rinse for at least 15 minutes with eyelids open to remove all particles. Wash eyes thoroughly with water. Remove the contact lenses, if easy to remove and available. Keep rinsing. If eye irritation persists: Medical assistance / care is required.

**If swallowing:** Do not make the exposed person vomit. If he/she is conscious, make him/her drink plenty of water and call a doctor immediately. If the symptoms continue, call a doctor.

**First-Aid self-protection:** Protect your skin and eyes.

#### 4.2 Most important symptoms and effects, both acute and delayed

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Symptoms : Cough, Respiratory disorder, Excessive lachrymation, Erythema, Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treated symptomatically.

## 5 Fire Fighting Measures

### 5.1. Extinguishing media:

**Suitable extinguishing media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** : Intensive water currents

### 5.2. Special hazards arising from the substance or mixture

The decomposition of silicon dioxide (SiO<sub>2</sub>) can produce toxic fumes of metal oxides.  
It may emit toxic and corrosive fumes.

### 5.3. Advice for firefighters

Use protective equipment commonly used in the event of a fire (protective gloves / protective clothing / eye protection / face protection materials, etc.).

## 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Avoid actions that will cause dust to form.

Avoid breathing dust and contacting with skin. Use personal protective equipment.

### 6.2. Environmental precautions

Avoid mixing with drainage systems, soil or water.

Notify the competent authorities in case of water or sewerage pollution.

### 6.3. Methods and materials for containment and cleaning

Collect the dry material mechanically and store in a suitable (vacuum) container.

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Prevent dust formation.  
If the spreading product is wet, wait until it freezes.  
Avoid breathing dust and contacting with skin. Keep children away during cleaning.  
Use personal protective equipment.

### 6.4 References to other sections

Section to be reviewed: 13

## 7 Handling and Storage

### 7.1. Precautions for safe handling

Make sure that the necessary ventilation is done. If ventilation is inadequate, use respiratory protection. Avoid contact with skin, eyes or clothing. Use protective gloves / protective clothing / eye protection / face protective materials. Since the bags are heavy, it can cause a variety of physical aches during back and forth movement (back, waist, spine, arms and legs pain and irritation). Do not eat, drink, do not smoke while using the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry, cool, well-ventilated place.

#### Storage:

Storage temperature	:Environmental
Storage life	:Stable under normal conditions.
Incompatible materials	:Strong acids, acid chlorides, acid anhydrides, chloroformates should be avoided. Avoid contact with aluminum, copper and their alloys.

### 7.3. Specific final uses: Not specified.

## 8 Exposure controls / personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational Exposure Limits

Name of Material	CAS No	Long-term TWA(8 hours) (mg/m <sup>3</sup> )	Short-term STEL(15 mins) (mg/m <sup>3</sup> )	Source
Portland Cement	65997-15-1	10	15(total)	ACGIH

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			5 (respirable)	OSHA
Calcium carbonate (Limestone)	1317-65-13	-	15	OSHA
Quartz (SiO <sub>2</sub> )	14808-60-7	0,1	- -	ACGIH OSHA

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Provide aspiration in powder form.

Technical protective measures always take precedence over personal protective equipment.

See Chapter 7.

### 8.2.2. Personal Protective Equipment

**Ventilation:** Ensure that the area is always well ventilated.

**Protect the respiratory system:** Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Particulate filter P P1: Inert material; P2: Xn; P3: T, T+

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure).

This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

**Protection of skin:** The product can cause allergic dermatitis in people with high sensitivity. (The product can contain a +6 valent chromium salt and its compounds or some toxic or dangerous chemical forms of other metals in the amount of cement work in its composition (less than 0,05%).) To protect the skin from prolonged contact, use gloves which are not permeable, resistant to abrasion and alkali reactions.

**Eye protection:** Use goggles to protect the product from dusting or splashing with water.

## 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance:** Dust can be in various colors depending on the product's characteristics.

**Odor:** Odorless

**Physical status:** Solid

**Vapor pressure:** Not applicable.

**Relative Density:** 1.300-1.500 kg / m<sup>3</sup>

**PH:** Not applicable.

**Boiling point:** Not applicable.

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**Melting point:** Not applicable.

### 10 Stability and Reaction

**10.1. Reactivity:** No data available.

**10.2. Chemical stability:** It is stable under normal conditions.

**10.3. Possibility of hazardous reactions:** No dangerous reaction is known under normal conditions of use.

**10.4. Conditions to avoid:** Avoid contact with humidity.

**10.5 Incompatible materials:** No data available

**10.6. Hazardous decomposition products:**

Aluminum dust reacts with alkali and other alkali metals, causing hydrogen gas to emit.

It can react with acids using oxygen (O<sub>2</sub>) and releasing carbon dioxide (CO<sub>2</sub>), which can create a danger of suffocation.

### 11 Toxicological Information

#### Acute toxicity

**Components:** sodium nitrite:

Acute oral toxicity : Acute toxicity estimate: 100 mg/kg

Method: Converted acute toxicity point estimate

#### Skin corrosion/irritation

**Product:** Remarks: Causes skin irritation.

#### Serious eye damage/eye irritation

**Product:** Remarks: Causes serious eye damage.

#### Respiratory or skin sensitisation

**Product:** Remarks: No data available

#### Germ cell mutagenicity

**Product:** Germ cell mutagenicity- Assessment : No data available

#### Carcinogenicity

**Product:** Carcinogenicity - Assessment : No data available

#### Reproductive toxicity

**Product:** Reproductive toxicity - Assessment : No data available No data available

### 12 Ecological Information

**12.1. Toxicity** No appropriate data

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**12.2. Persistence and degradability** No appropriate data.

**12.3. Bioaccumulative potential** No appropriate data.

**12.4. Mobility in soil** No appropriate data..

**12.5. Results of PBT and**

### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Other adverse effects** No appropriate data.

## **13 Disposal Information**

**13.1. Waste treatment methods:** Wastes should be disposed of in accordance with national legislation. Make sure the bags are completely empty. Deliver empty bags to recycling companies that accept waste paper.

**13.2 Additional Information:** If this product has been altered or contaminated with other dangerous substances, waste analysis may be necessary to determine the appropriate method for disposal.

## **14 Transportation Information**

**14.1 UN number** :Not relevant

**14.2 Suitable UN transportation name** :Not relevant

**14.3 Transportation hazardous classification(s)** :Not relevant

**14.4 Group of packaging** :Not relevant

**14.5 Environmental damages** :Not relevant

**14.6 Special precautions for users** :Not relevant

**14.7 MARPOL 73/78 appendix II and bulk transportation according to IBC code** :Not applicable

## **15 Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**



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This safety data sheet has been prepared / approved by accredited and authorized personnel in accordance with the requirements of the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures (13/12 / 2014-29204). The Regulation on Classification, Labeling and Packing of the Articles and Mixtures dated 11/12/2013 has been taken into consideration in the classification.

Hazard pictograms :

**Irritant R-phrases)** : R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.

**S-phrase(s)** : S26 In case of contact with eyes, rinse immediately with plenty of water  
and seek medical advice.  
S39 Wear eye/face protection.

### **Prohibition/Restriction**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) :

Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). :

None of the components are listed ( $\Rightarrow$  0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) :

Not applicable

### REACH Information:

All substances contained in our Products are - preregistered or registered by our upstream suppliers, and/or - preregistered or registered by us, and/or - excluded from the regulation, and/or - exempted from the registration.

## **16 Other Information**

The information contained in this Safety Data Sheet is provided only for the latest information and findings. However, neither do they constitute a warranty nor do they constitute a contractual legal relationship. The information provided is for the safe storage, handling, transport and disposal of the product mentioned in this safety data sheet. This information is not used for other products.

### **16.1. Safety Data Sheet Prepared by:**

Prepared by: Yasemin KAREL

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Certificate no: NBC/01.146.05  
Certificate validity date : 17.01.2021

### 16.2. Relevant Harmfulness and Precautionary Statements

H 315	Causes skin irritation.
H 317	May cause an allergic skin reaction.
H 318	Causes serious eye damage.
H 335	May cause respiratory irritation.
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.

### 16.3. Abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienist
<b>ADR</b>	European Agreement on Carriage of Dangerous Goods by Road
<b>CLP</b>	Regulation on the Classification, Labeling and Packing of Chemicals
<b>DSD</b>	Dangerous Goods Regulation (EC)
<b>IARC</b>	International Agency for Cancer Research
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Authority
<b>IDLHs</b>	Dangerous for Life or Health Concentrations
<b>IMDG</b>	International Maritime Rules for Dangerous Goods
<b>mg/m<sup>3</sup></b>	The amount in milligrams of the substance found in 1 m <sup>3</sup> of air at 20 ° C and 101.3 KPa. (760 mm mercury pressure).
<b>NIOSH</b>	National Institute for Occupational Health and Safety
<b>NTP</b>	National Toxicology Program (USA)
<b>OSHA</b>	Occupational Safety and Health Administration (USA)
<b>PEL</b>	Permissible Exposure Limit
<b>ppm</b>	Amount in milliliters of 1 m <sup>3</sup> of airborne material (ml / m <sup>3</sup> )
<b>RID</b>	International Regulations for the Transport of

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**SEA**

Dangerous Goods by Rail  
Regulation (TR) on Classification, Labeling  
and Packing of the Articles and Mixtures No.  
28848 (Muk.) Dated 11 December 2013

**STEL**

Unless otherwise specified, the exposure upper  
limit value that should not be exceeded for a  
period of 15 minutes.

**TWA**

Time-weighted average measured or  
calculated for the 8-hour reference time